



Joint Environmental Toolkit (JET) Maintenance Release 12 (MR12) Training Guide

The following guide will provide an overview on how to use the capabilities in Jet Build C, Maintenance Release 12 (MR12). Maintenance Release 12 changes are primarily associated with improvements/fixes to the Sensor Collection Appliance (SCA), and the addition of a Mission Management capability to develop, manage and retrieve custom DZ/LZs, MOAs and Tracks. In addition, MR 12 fixes several issues with LEADS and IWWC. The guide will be broken up into three sections; one for primary Operational Weather Squadron (OWS) and Weather Flight (WF) forecaster tasks, second for administrator/site manage tasks and a third to cover additional improvements/fixes to current JET capabilities.

Note: The additional non-LEADS and LEADS improvements/fixes included in MR12, are associated with improvements/fixes to previous capabilities and do not change the current functionality of the software. These changes are described in Section C, but additional guidance will not be provided.

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Section A. Primarily OWS/WF Forecaster Capability

A1. Mission Management Custom MOAs/DZLZ/Tracks JET-138, JET-1305, 1306, 1307

Reference: JET Build C System User Manual Section 8.4.1.1, 8.4.6.1

Description: As an Operations User I need to be able to create custom Track, MOA, and DZ/LZ templates so that I can retrieve them for future missions. This section will include the explanation of the capability to conduct the following:

- A1a. Create During Mission Creation
- A1b. Create as Template
- A1c. Manage Own Templates
- A1d. Display Route Spatially

A1a. Create Custom MOA, DZ/LZ and Tracks During Mission Creation. This process allows forecasters to create custom MOAs, DZ/LZs and tracks during mission creation. These custom MOAs, Tracks and DZ/LZs can either be used one time or saved as a template for later use. All procedures will be conducted in the Mission Management portlet, and will include instructions on how to create a briefing.

1. **Create Mission from the main Mission Management portlet.** Fill in all required information (Mission Information and Mission Route(s) for requesting a mission briefing.

The screenshot displays the Mission Management portlet interface. The 'Mission Information' section is highlighted with a red border and contains the following fields:

- Delivery Method(s): ☒ Email, ☐ Fax, ☐ In Person, ☐ Web
- Request Due*: 08/12/2013 17:41
- Unit: KBAB Unit 1
- Call Sign: MR12 Test
- Tail Number: TEST 1234
- Asset: AC-130H
- Special Handlings: TEST TEST TEST
- Briefing Remarks: TEST TEST TEST

The 'Mission Route(s)' section is a table with the following columns: Type, Departure, Departure Date / Time(Z), Altitude (00 FT)MSL, Waypoint(s), Arrival, and Arrival Date / Time(Z). The table contains one row with the following data:

Type	Departure	Departure Date / Time(Z)	Altitude (00 FT)MSL	Waypoint(s)	Arrival	Arrival Date / Time(Z)
KBAB		08/12/2013 19:42	120		KOPF	08/12/2013 22:42

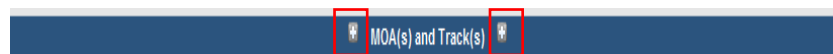
Below the table are sections for 'MOA(s) and Track(s)', 'Mission Component(s)', and 'Point(s) of Contact'. The 'Point(s) of Contact' section includes a table with the following data:

First Name	Last Name	Email	Comm Phone	Comm Fax	DSN Phone	DSN Fax
Randy	Nelson	randy.nelson@offutt.af.mil	402-294-5455		271-5455	

At the bottom of the portlet are 'Submit Mission' and 'Cancel' buttons.

2. **Create Custom MOA.**

a. To create a custom MOA, select the + sign next to MOAs and Tracks.



b. This will open MOA and Track page and the Add MOA/Track button will appear.

Type	Name	Altitude (00 FT) MSL	Waypoints	Start Time (Z)	End Time (Z)
No MOA(s) or Track(s) have been added.					

c. Select the Add MOA/Track button. This will open the MOA/Track Details window. This window will be used to create and save your custom MOA.

MOA/Track Details

Source*: ACO ▼ Type*: ADAREA (Air Defense Area) ▼

Name*: None available for type selected Altitude*: 00 FT MSL

Start Time*: [] Z End Time*: [] Z

Add Cancel

d. To create a custom MOA select the following items on the MOA/Track details page.

Source: Select “Custom” from the dropdown box.

Type: Select “Custom MOA”

Name: Place a name for your custom MOA (example: MR12 MOATEST1)

Altitude: Enter an altitude of the MOA.

Waypoint(s): Enter ICAOs (e.g. KIAB,KOFF,KLNK,KIAB) for the MOA or select the globe and draw the MOA using the available drawing tools. See examples below.

- **Example using ICAOs.** Notice that once the MOA ICAO points are established, the Save button appears. Select the Save button to save the custom MOA for later use, or go to the next step if this is a one-time use custom MOA.

MOA/Track Details

Source*: Custom ▼ Type*: Custom MOA ▼

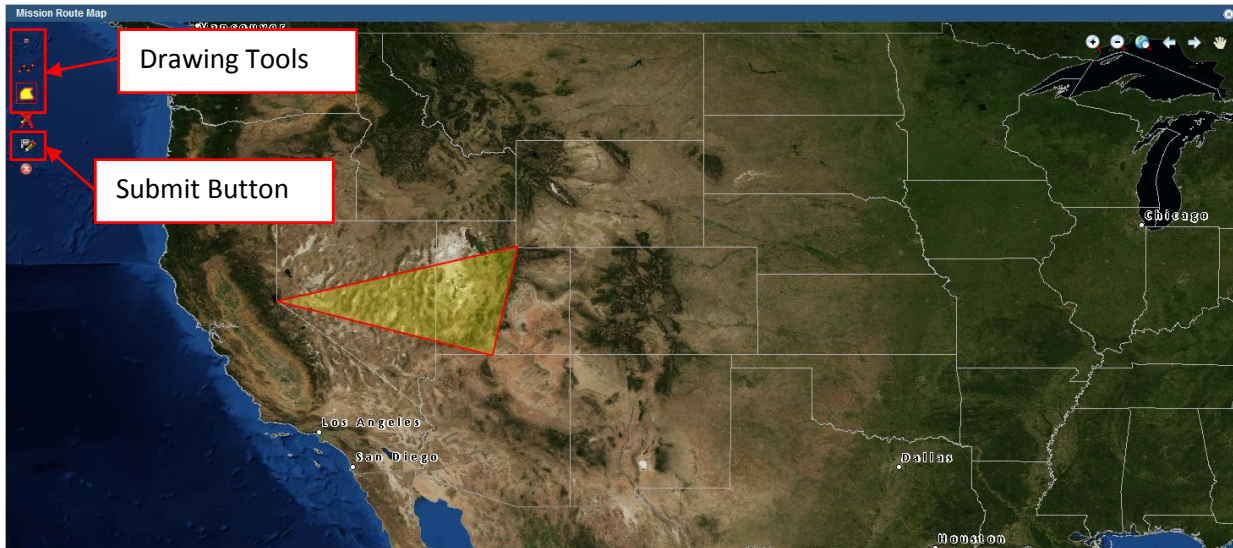
Name*: MR12 MOATEST1 Altitude*: 050 00 FT MSL

Waypoint(s)*: KIAB,KOFF,KLNK,KIAB [Globe Icon] Save

Start Time*: [] Z End Time*: [] Z

Add Cancel

- **Example using Global drawing tools.** Notice that once the Globe is selected, a Mission Route Map page will open with selectable drawing tools. These tools will be used to draw your custom MOA. After drawing the applicable MOA, select submit.





- After submit is selected, the Mission Route Map disappears and the waypoint(s) are filled into the waypoint(s) blocks. Select the Save button to save the custom MOA for later use, or go to the next step if this is a one-time use custom MOA.

The image shows a form titled "MOA/Track Details" with a blue header bar. The form contains several input fields and buttons. The "Source" field is a dropdown menu set to "Custom". The "Name" field is a text box containing "MR2 MOATEST1". The "Type" field is a dropdown menu set to "Custom MOA". The "Altitude" field is a text box containing "050" followed by "00 FT MSL". The "Waypoint(s)" field is a text box containing a long string of coordinates: "39:00:31.721N 120:00:31.288W,41:03:39.073N 111:00:40.591W,36:59:18.021N 111:57:30.138W,39:00:31.721N 120:00:31.288W". The "Start Time" and "End Time" fields are text boxes with a calendar icon to the right of each. At the bottom of the form, there are "Add" and "Cancel" buttons. A "Save" button is located to the right of the "Waypoint(s)" field.

Start Time: Using the calendar ICON, select the start date and time for the MOA.

End Time: Using the calendar ICON, select the start date and time for the MOA.

- Select add to include the custom MOA on the current mission.

MOA(s) and Track(s)						
Type	Name	Altitude (00 FT) MSL	Waypoints	Start Time (Z)	End Time (Z)	
Custom MOA	MR2 MOATEST1	050	39:00:31.721N 120:00:31.288W,41:03:39.073N 111:00:40.591W,36:59:18.021N 111:57:30.138W,36:00:31.721N 120:00:31.288W	08/12/2013 20:03	08/12/2013 21:03	 


Note 1: If the custom MOA was saved, it can be used for later missions using the template retrieval process.



MOA/Track Details

Source*: Type*:

Name*: Altitude*:

Waypoint(s)*:

Start Time*:  End Time*: 

Note 2: This MOA can also be adjusted as required using the pencil ICON.

Note 3: This process can be repeated to add additional MOAs to the mission or forecasters can use a similar process to add DZ/LZs and Tracks.

3. Create Custom DZ/LZ.

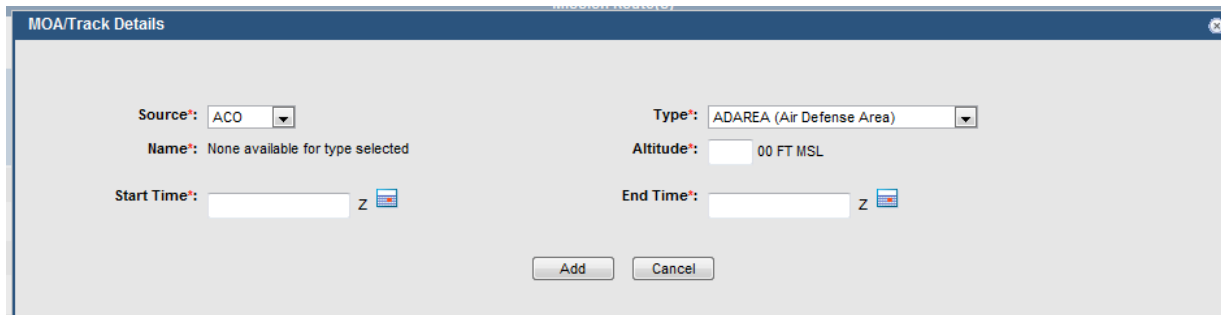
a. To create a custom DZ/LZ, select the + sign next to MOAs and Tracks.



b. This will open MOA and Track page and the Add MOA/Track button will appear.

Type	Name	Altitude (00 FT) MSL	Waypoints	Start Time (Z)	End Time (Z)	
No MOA(s) or Track(s) have been added.						

c. Select the Add MOA/Track button. This will open the MOA/Track Details window. This window will be used to create and save your custom MOA.



The MOA/Track Details window is shown with the following fields and values:

- Source*: ACO
- Type*: ADAREA (Air Defense Area)
- Name*: None available for type selected
- Altitude*: 00 FT MSL
- Start Time*: [empty] Z
- End Time*: [empty] Z

Buttons: Add, Cancel

d. To create a custom MOA select the following items on the MOA/Track details page.

Source: Select “Custom” from the dropdown box.

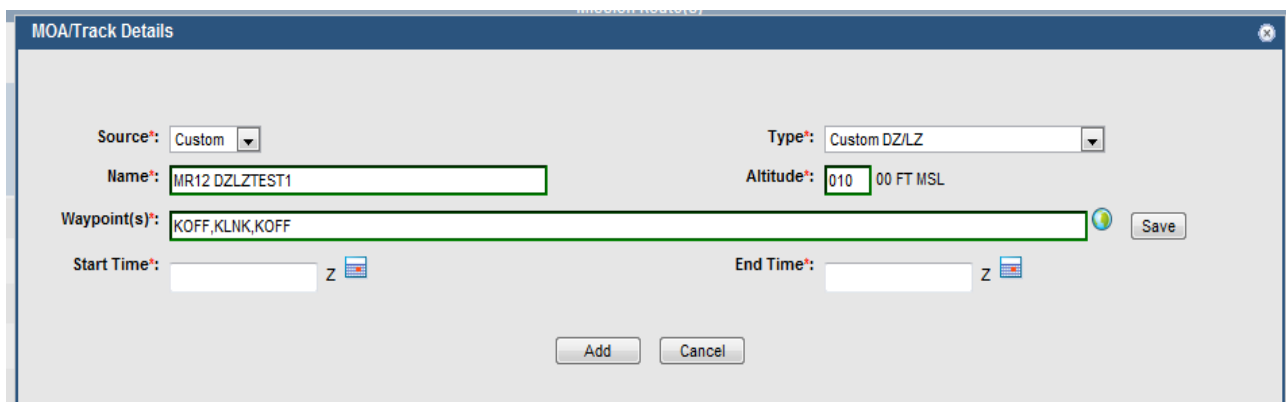
Type: Select “Custom DZ/LZ”

Name: Place a name for your custom DZ/LZ (example: MR12 DZ/LZTEST1)

Altitude: Enter an altitude of the MOA.

Waypoint(s): Enter ICAOs (e.g. KIAB,KOFF,KLNK,KIAB) for the DZ/LZ or select the globe and draw the MOA using the available drawing tools. See examples below.

- **Example using ICAOs.** Notice that once the MOA ICAO points are established, the Save button appears. Select the Save button to save the custom MOA for later use, or go to the next step if this is a one-time use custom MOA.

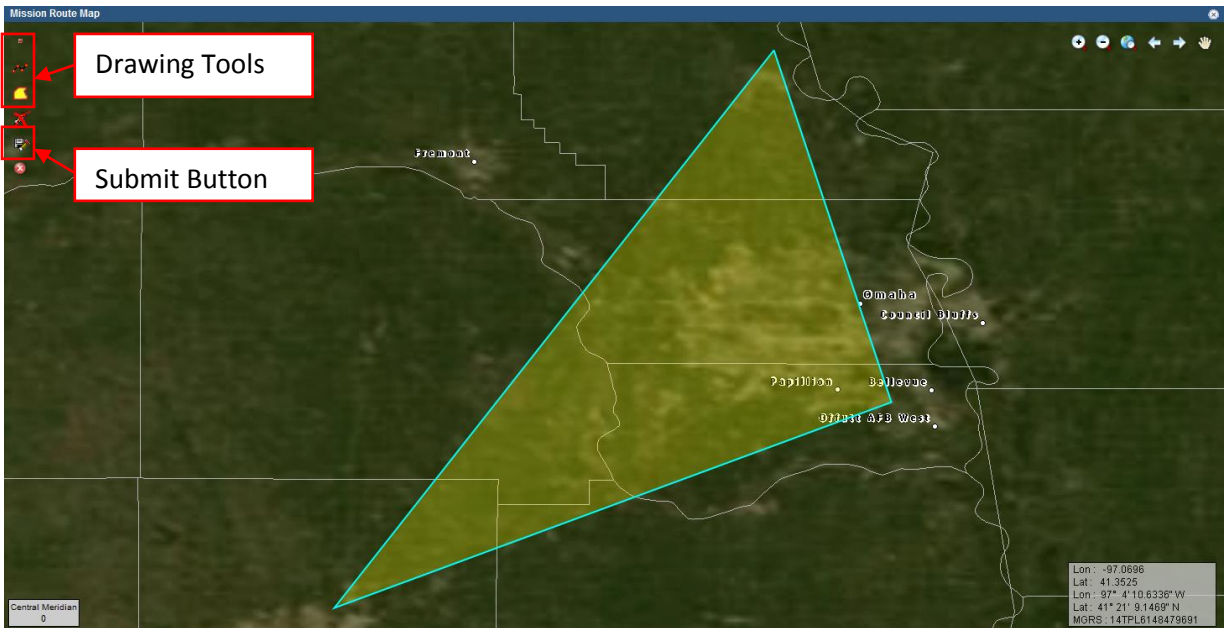


The MOA/Track Details window is shown with the following fields and values:

- Source*: Custom
- Type*: Custom DZ/LZ
- Name*: MR12 DZ/LZTEST1
- Altitude*: 010 00 FT MSL
- Waypoint(s)*: KOFF,KLNK,KOFF
- Start Time*: [empty] Z
- End Time*: [empty] Z

Buttons: Add, Cancel, Save

- **Example using Global drawing tools.** Notice that once the Globe is selected, a Mission Route Map page will open with selectable drawing tools. These tools will be used to draw your custom MOA. After drawing the applicable MOA, select submit.



- After submit is selected, the Mission Route Map disappears and the waypoint(s) are filled into the waypoint(s) blocks. Select the Save button to save the custom MOA for later use, or go to the next step if this is a one-time use custom MOA.

MOA/Track Details

Source: Custom Type: Custom DZ/LZ

Name: MR12DZLZTEST1 Altitude: 010 00 FT MSL

Waypoint(s): 41:45:09.190N 096:08:43.120W, 41:08:03.327N 095:57:15.058W, 41:05:47.971N 096:39:02.913W, 41:45:09.190N 096:08:43.120W Save





Start Time: Z End Time: Z

Add Cancel

Start Time: Using the calendar ICON, select the start date and time for the MOA.

End Time: Using the calendar ICON, select the start date and time for the MOA.

- Select add to include the custom MOA on the current mission.

MOA(s) and Track(s)						
Type	Name	Altitude (00 FT) MSL	Waypoints	Start Time (Z)	End Time (Z)	
Custom MOA	MR12.MOATEST1	50	39:00:31.721N 120:00:31.287W, 41:03:39.072N 111:00:40.591W, 36:59:18.021N 111:57:30.138W, 39:00:31.721N 120:00:31.287W	08/13/2013 14:03	08/13/2013 16:03	 
Custom DZ/LZ	MR12DZLZTEST1	010	41:45:09.190N 096:08:43.120W, 41:08:03.327N 095:57:15.058W, 41:05:47.971N 096:39:02.913W, 41:45:09.190N 096:08:43.120W	08/13/2013 14:12	08/13/2013 16:12	 

Note 1: If the custom MOA was saved, it can be used for later missions using the template retrieval process.

MOA/Track Details

Source*: Template

Type*: Template DZ/LZ

Name*: MR12DZLZTEST1

Altitude*: 10 00 FT MSL

Waypoint(s)*: (Select One)
DZ 123456
LZ/DZ 1307 PAC

Start Time*: MR#2DZLZTEST1

End Time*: Z

Waypoint(s)*: 3.119W, 41:08:03.326N 095:57:15.058W, 41:05:47.970N 096:39:02.913W, 41:45:09.190N 096:08:43.119W

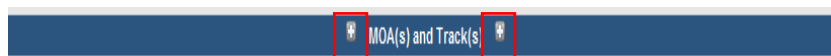
Add Cancel

Note 2: This MOA can also be adjusted as required using the pencil ICON.

Note 3: This process can be repeated to add additional MOAs to the mission or forecasters can use a similar process to add DZ/LZs and Tracks.

4. Create Custom Track.

- a. To create a custom Track, select the + sign next to MOAs and Tracks.

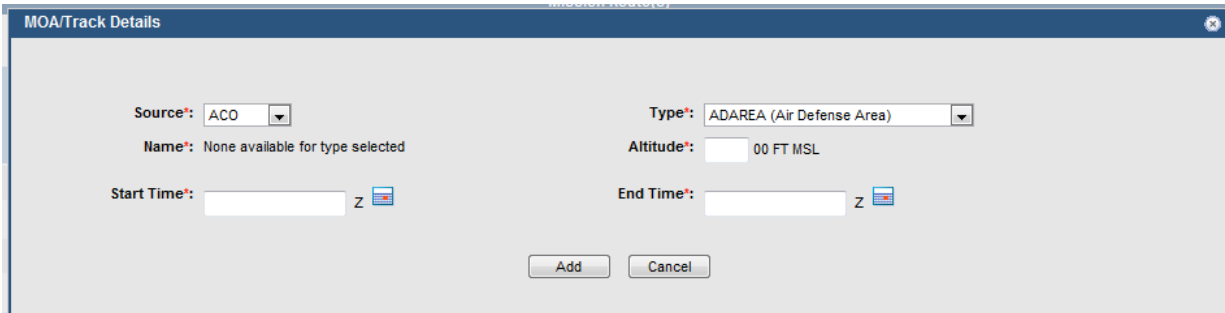


- b. This will open MOA and Track page and the Add MOA/Track button will appear.

Add MOA/Track

Type	Name	Altitude (00 FT) MSL	Waypoints	Start Time (Z)	End Time (Z)	
No MOA(s) or Track(s) have been added.						

c. Select the Add MOA/Track button. This will open the MOA/Track Details window. This window will be used to create and save your custom MOA.



The MOA/Track Details window is shown with the following fields and values:

- Source*: ACO
- Type*: ADAREA (Air Defense Area)
- Name: None available for type selected
- Altitude*: 00 FT MSL
- Start Time*: [empty] Z
- End Time*: [empty] Z
- Buttons: Add, Cancel

d. To create a custom MOA select the following items on the MOA/Track details page.

Source: Select “Custom” from the dropdown box.

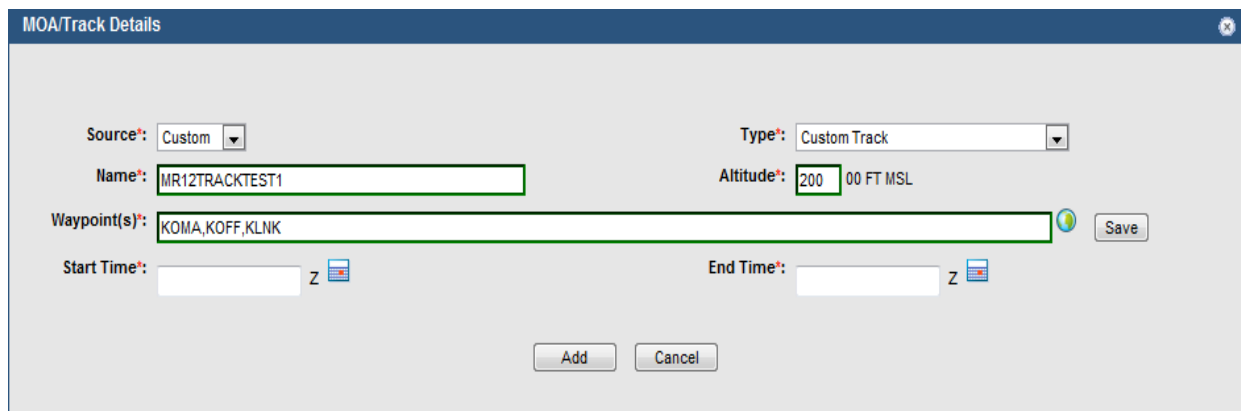
Type: Select “Custom Track”

Name: Place a name for your custom Track (example: MR12 TRACKTEST1)

Altitude: Enter an altitude of the Track.

Waypoint(s): Enter ICAOs (e.g. KOMA, KOFF, KLNK) for the Track or select the globe and draw the Track using the available drawing tools. See examples below.

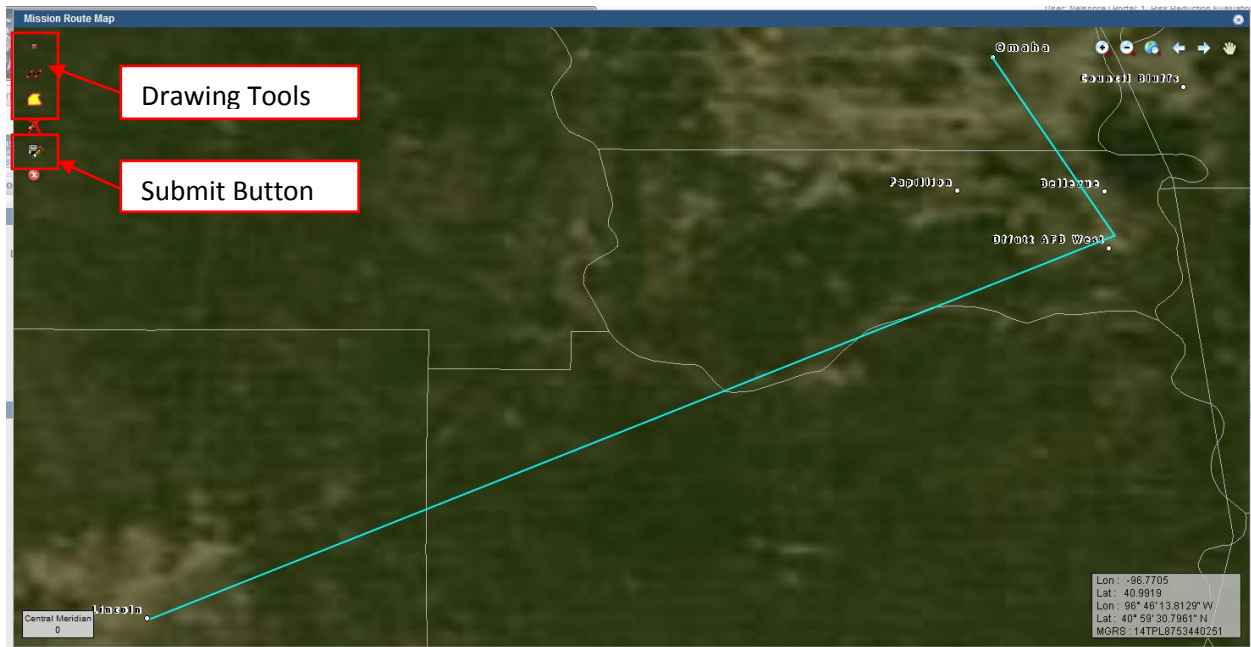
- **Example using ICAOs.** Notice that once the Track ICAO points are established, the Save button appears. Select the Save button to save the custom Track for later use, or go to the next step if this is a one-time use custom Track.



The MOA/Track Details window is shown with the following fields and values:

- Source*: Custom
- Type*: Custom Track
- Name*: MR12TRACKTEST1
- Altitude*: 200 00 FT MSL
- Waypoint(s)*: KOMA,KOFF,KLNK
- Start Time*: [empty] Z
- End Time*: [empty] Z
- Buttons: Add, Cancel, Save

- **Example using Global drawing tools.** Notice that once the Globe is selected, a Mission Route Map page will open with selectable drawing tools. These tools will be used to draw your custom Track. After drawing the applicable Track, select submit.



- After submit is selected, the Mission Route Map disappears and the waypoint(s) are filled into the waypoint(s) blocks. Select the Save button to save the custom Track for later use, or go to the next step if this is a one-time use custom Track.

MOA/Track Details

Source*: Custom Type*: Custom Track

Name*: MR12TRACKTEST1 Altitude*: 200 00 FT MSL

Waypoint(s)*: 41:15:54.718N 096:00:50.013W, 41:07:18.300N 095:54:54.447W, 40:48:57.737N 096:41:11.252W Save







Start Time*: Z End Time*: Z

Add Cancel

Start Time: Using the calendar ICON, select the start date and time for the MOA.

End Time: Using the calendar ICON, select the start date and time for the MOA.

- Select add to include the custom MOA on the current mission.

MOA(s) and Track(s)						
Type	Name	Altitude (00 FT) MSL	Waypoints	Start Time (Z)	End Time (Z)	
Custom MOA	MR12.MOATEST1	50	39:00:31.721N 120:00:31.287W,41:03:39.072N 111:00:40.591W,36:59:18.021N 111:57:30.138W,39:00:31.721N 120:00:31.287W	08/13/2013 14:03	08/13/2013 16:03	 
Custom DZ/LZ	MR12DZLZTEST1	010	41:45:08.190N 096:08:43.120W,41:08:03.327N 095:57:15.058W,41:05:47.971N 096:39:02.913W,41:45:09.190N 096:08:43.120W	08/13/2013 14:12	08/13/2013 16:12	 
Custom Track	MR12TRACKTEST1	200	41:15:54.718N 096:00:50.013W,41:07:18.300N 095:54:54.447W,40:48:57.737N 096:41:11.252W	08/13/2013 15:00	08/13/2013 18:00	 

Note 1: If the custom MOA was saved, it can be used for later missions using the template retrieval process.

MOA/Track Details

Source*: Template

Type*: Template Track

Name*: (Select One)

Altitude*: 00 FT MSL

Waypoint(s)*: (Select One)

End Time*: Z

Start Time*: (Select One)

AR TRACK 1307 PAC

JET-1336 TEST

MR12TRACKTEST1

MR#2TRACKTEST1

MR12TRACKTEST1

RRE TRACK REN

RRE TRACK01 TCX

RRE TRACK1 MK

RRE TRACK1 REN

RRE TRACK2 CWD

RRE TRACK2 GRL

Add

Cancel

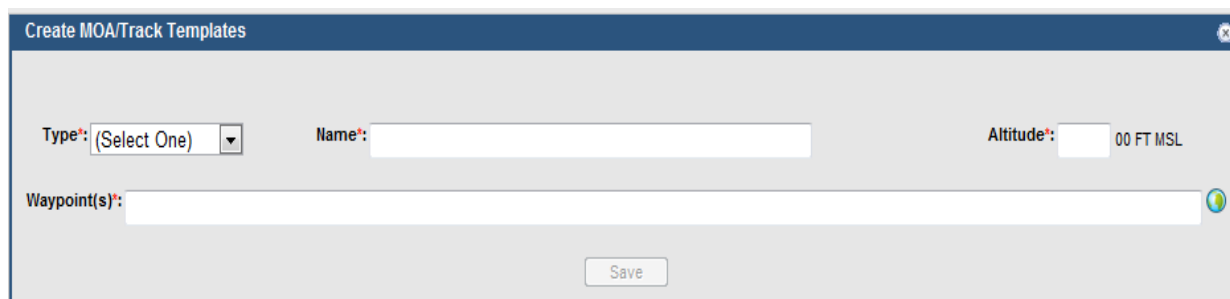
Note 2: This MOA can also be adjusted as required using the pencil ICON.

Note 3: This process can be repeated to add additional MOAs to the mission or forecasters can use a similar process to add DZ/LZs and Tracks.

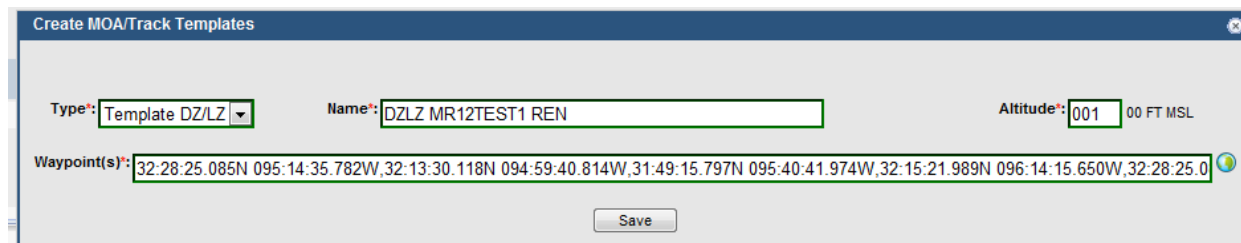
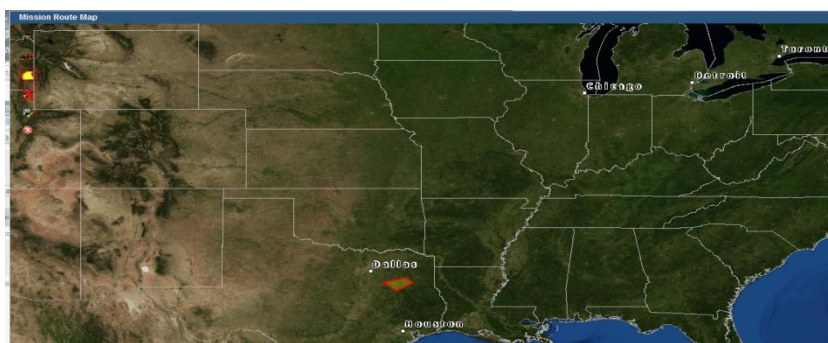
5. Select the Submit Mission button to submit mission request. Verify that the custom MOA, DZ/LZ and Track on in the briefing request.

A1b. Create MOA, DZ/LZ and MOAs using the Template Function. This process allows forecasters to create custom MOAs, DZ/LZs and Tacks using the custom template function. These custom MOAs, Tracks and DZ/LZs can be used templates for later use. All procedures will be conducted in the Mission Management portlet, and will include instructions on how to create a briefing.

1. **Create a Custom Template from the main Mission Management portlet.** Select the Template button then select the create MOA/Track Templates. The Create MOA/Track Templates window will appear.



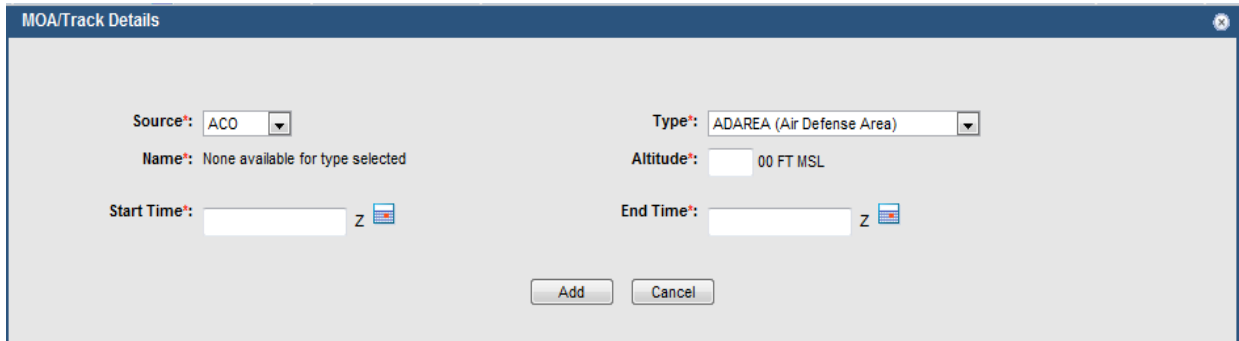
- **Type:** Select the type of custom template you want to create. Choices are:
 - Template DZ/LZ
 - Template MOA
 - Template Track
- **Name:** Enter a name for the template (e.g. DZLZ MR12TEST1 REN)
- **Altitude:** Enter value in hundreds of feet MSL (e.g. 10 = 1000FT)
- **Waypoints:** Either enter ICAOs, MGRS, Latitude and Longitudes for the template or click on the globe to use a mission route map with drawing tools to draw the custom template. Select submit and way points are entered into the waypoint(s) section.



- Once all information is entered, select save. This will save the template for use in future mission requests.

2. **Use Custom Template when creating a Mission Request.** This allows forecasters to select custom templates during mission creation.

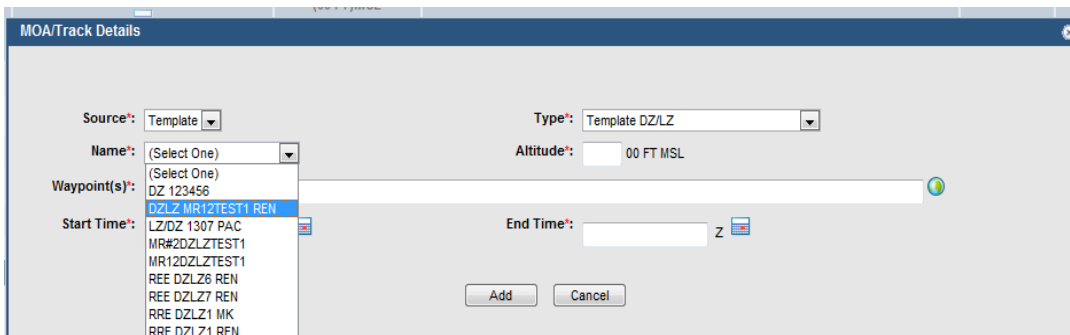
- Go to mission management and create a briefing request. Fill out required data under the Mission information and Mission route sections.
- Under MOA(s) and Track(s) section, select the **+** symbol. This will open the MOA and Tracks section.
- Select the Add MOA/Track button. This will open the MOA/Track Details Box.



The MOA/Track Details dialog box contains the following fields and controls:

- Source*:** A dropdown menu with 'ACO' selected.
- Type*:** A dropdown menu with 'ADAREA (Air Defense Area)' selected.
- Name*:** A text field with the value 'None available for type selected'.
- Altitude*:** A text field with the value '00 FT MSL'.
- Start Time*:** A text field with a 'Z' button next to it.
- End Time*:** A text field with a 'Z' button next to it.
- Buttons:** 'Add' and 'Cancel' buttons at the bottom.

- Fill out the following data:
 - **Source:** Select **Template**
 - **Type:** Select Applicable template type:
 - Template DZ/LZ
 - Template MOA
 - Template Track
 - **Name:** Select name of available template (e.g. DZLZ MR12 Test1 REN)

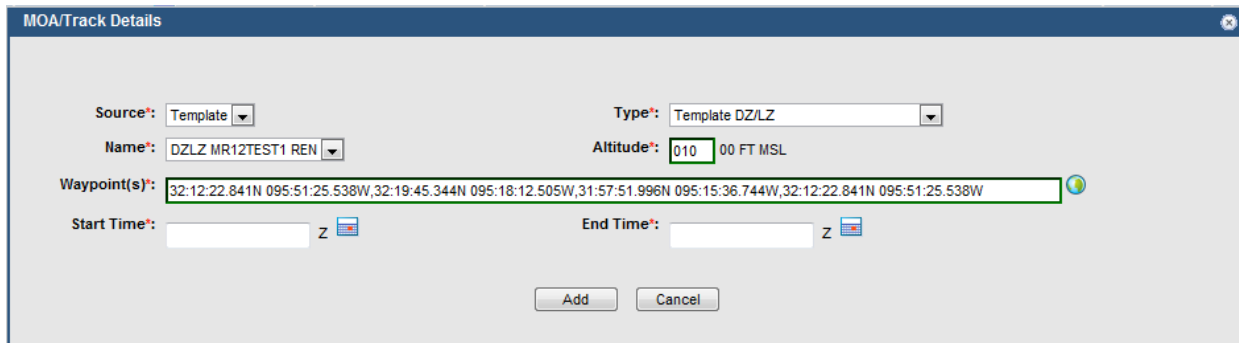


The MOA/Track Details dialog box is shown with the following fields and controls:

- Source*:** A dropdown menu with 'Template' selected.
- Type*:** A dropdown menu with 'Template DZ/LZ' selected.
- Name*:** A dropdown menu with '(Select One)' selected.
- Waypoint(s)*:** A dropdown menu with '(Select One)' selected.
- Altitude*:** A text field with the value '00 FT MSL'.
- Start Time*:** A text field with a 'Z' button next to it.
- End Time*:** A text field with a 'Z' button next to it.
- Buttons:** 'Add' and 'Cancel' buttons at the bottom.

- Once name is selected, the template information is loaded to include the altitude and waypoints.

Note: The altitude and waypoints can be change for this mission, but they will not change the template for future use.



The MOA/Track Details form contains the following fields and controls:

- Source:** Template (dropdown)
- Type:** Template DZ/LZ (dropdown)
- Name:** DZLZ MR12TEST1 REN (dropdown)
- Altitude:** 010 00 FT MSL (text input)
- Waypoint(s):** 32:12:22.841N 095:51:25.538W,32:19:45.344N 095:18:12.505W,31:57:51.996N 095:15:36.744W,32:12:22.841N 095:51:25.538W (text input with a globe icon)
- Start Time:** (calendar icon) z (time zone icon)
- End Time:** (calendar icon) z (time zone icon)
- Buttons:** Add, Cancel

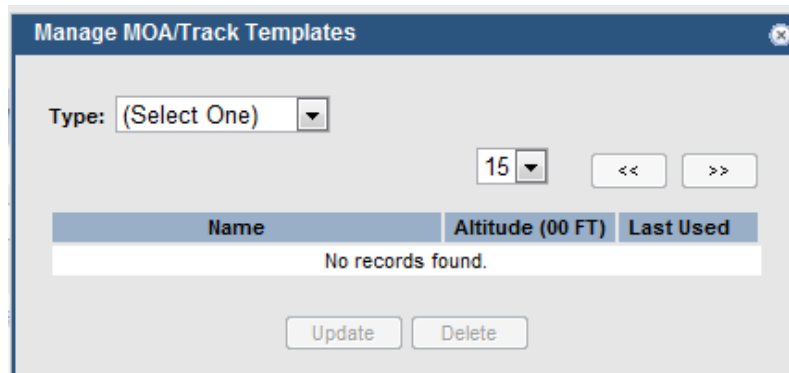
- Once name is selected, the template information is loaded to include the altitude and waypoints.
- **Start Time:** Using the calendar select a date and start time. Enter duration or enter an end date and time.
- **End Time:** If duration was not entered under start time function, using the calendar select a date and start time.
- Select add to add the template to the briefing request.

Note: Repeat function for additional templates if required.

- Submit mission briefing and verify that the template is loaded as part of the briefing request.

A1c. Manage Custom MOA, DZ/LZ and Tracks Templates. This process allows forecasters to manage custom MOAs, DZ/LZs and Tracks that they developed either during mission creation, or using the template function. All procedures will be conducted in the Mission Management portlet.

1. **Manage Custom Templates from the main Mission Management portlet.** In the Mission Management portlet, select the Template button then select the Manage MOA/Track Templates. The Manage MOA/Track Templates window will appear.

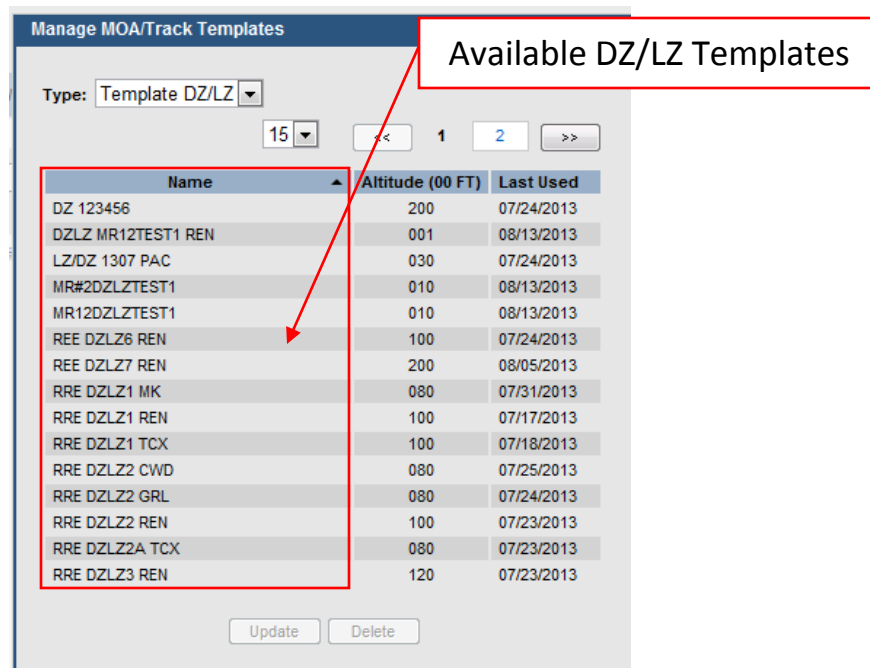


The Manage MOA/Track Templates form contains the following fields and controls:

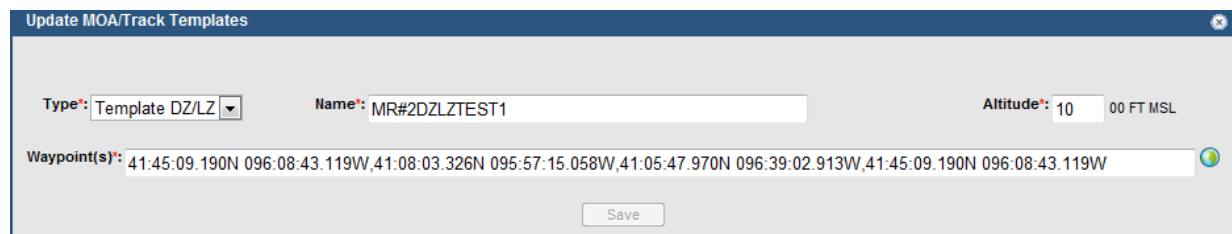
- Type:** (Select One) (dropdown)
- Page:** 15 (dropdown) with << and >> navigation buttons
- Table:**

Name	Altitude (00 FT)	Last Used
No records found.		
- Buttons:** Update, Delete

- Type: Select the type of template you want to manage. The following are available:
 - Template DZ/LZ
 - Template MOA
 - Template Track
- Upon selection of the Type, a list will appear of the available templates.



- To modify a specific template, right click on one of the template names, then select update. This will open the Update MOS/Track Template window.



Note: All properties can be changed to update a template (e.g.

A1d. Display and Adjust Custom MOA, DZ/LZ and Tracks Points. This process allows forecasters to display and adjust custom MOAs, DZ/LZs and Tracks that they developed either during mission creation, or using the template function. All procedures will be conducted in the Mission Management portlet.

1. **Display and adjust Custom MOAs/DZLZ and Track Points.** From the Mission Management portlet select the Template tab, then select Mange MOA/Track Templates. This will bring you to the Manage MOA/Track Templates window.

Manage MOA/Track Templates

Type: (Select One) (Select One) Template DZ/LZ Template MOA Template Track

Altitude (00 FT) 15

Last Used

No records found.

Update Delete

- Select the template type. When the type is selected, a list of available templates will appear.

Manage MOA/Track Templates

Type: Template MOA

Altitude (00 FT) 15

Name	Altitude (00 FT)	Last Used
1305-1B TEST	100	08/05/2013
MOA 1307 PAC	150	07/24/2013
MR2 MOATEST1	050	08/12/2013
MR#2 MOATEST1	050	08/12/2013
MR12 MOATEST1	050	08/13/2013
RRE MOA1 MK	120	07/31/2013
RRE MOA1 REN	120	08/05/2013
RRE MOA1 TCX	100	07/18/2013
RRE MOA2 CWD	120	07/25/2013
RRE MOA2 GRL	120	07/24/2013
RRE MOA2 REN	100	07/23/2013
RRE MOA3 REN	180	07/23/2013
RRE MOA4 REN	200	07/23/2013
RRE MOA6 REN	200	07/24/2013
RRE MOA7 REN	180	07/24/2013

Update Delete

- Select the template name that you want to modify, then select update. This will open the Update MOA/Track Templates window.

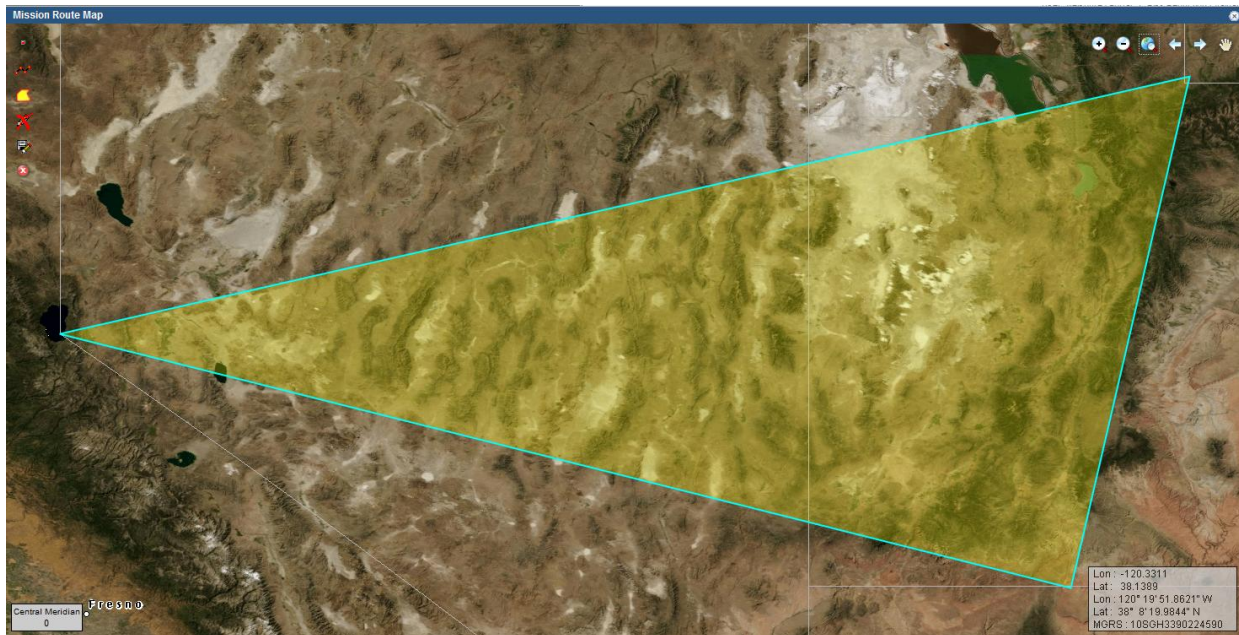
Update MOA/Track Templates

Type: Template MOA Name: MR12 MOATEST1 Altitude: 50 00 FT MSL

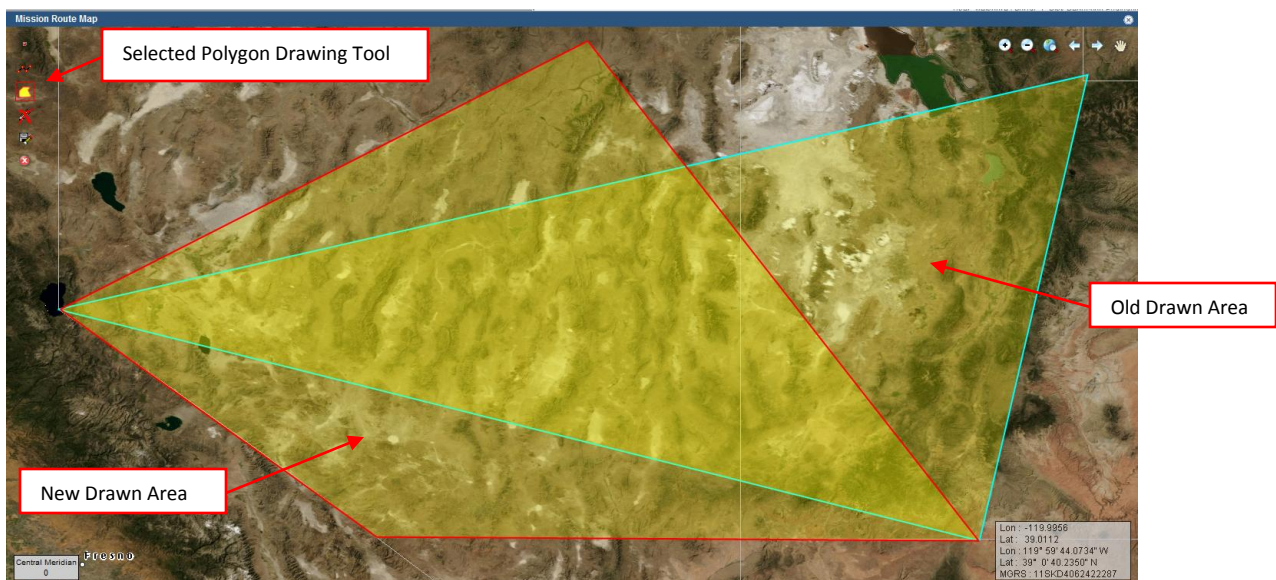
Waypoint(s): 39:00:31.721N 120:00:31.287W,41:03:39.072N 111:00:40.591W,36:59:18.021N 111:57:30.138W,39:00:31.721N 120:00:31.287W

Save

- To display and modify the custom MOA/DZLZ/Track select the globe located at the end of the waypoint block. The Mission route map will appear with the current MOA, DZLZ or Track. It is ready for modifying.



- To modify the MOA/DZLZ or Track, select a drawing tool and redraw the area to the dimension that you want. The old drawn area will remain until the new area is saved.



- Once the new area is drawn, the user can either select cancel (x button) to start over, or select the submit button to save. If submit is selected, the update MOA/Track Templates window reappears and the new coordinates are entered into the Waypoint(s) block.

Update MOATrack Templates

Type: Template MOA Name: MR12 MOATEST1 Altitude: 50 00 FT MSL

Waypoint(s): 39:00:40.235N 119:59:19.918W,41:21:10.600N 115:22:44.901W,36:59:29.347N 111:57:49.613W,37:01:30.126N 117:13:27.739W,39:00:40.2

Save

Coordinates of the new area are entered into the waypoint(s) block.

- Select save to save the template; an updated successfully message will appear. To verify the new area on the route map, select the globe at the need of the Waypoint(s) block. The map with your new area will be shown.

Update MOATrack Templates

MR12 MOATEST1 was updated successfully.

Type: Template MOA Name: MR12 MOATEST1 Altitude: 50 00 FT MSL

Waypoint(s): 39:00:40.235N 119:59:19.918W,41:21:10.600N 115:22:44.901W,36:59:29.347N 111:57:49.613W,37:01:30.126N 117:13:27.739W,39:00:40.2

Save



Note: Existing templates can be used to develop new MOAs/DZLZs/Tracks by redrawing area, then selecting a new Template Type, Name and Altitude.

A2. Extend Retention of WWA Dissemination Records (JET-410)

Reference: JET System Users Manual Section 8.3.3.14

Description: The new capability allows users to access

Overview/Instruction on New Capability:

1. There are three methods to access the extended WWA dissemination records. Forecasters can click on the Site Name hyperlink or use the Edit Issued function. Each function covered below.

a. **Site Name Hyperlink Function.** This function can only be used when the WWA has been issued, but had not been closed.

- To access the site name hyperlink, the forecaster will need to display existing WWAs either by listing by region or by site.

Site	Site Name	Type	ID	Issued	Just	Amends	Ext./Cor.	Criteria
KAGR	Avon Park	Warning	07-001	17/1930Z	Yes			Severe Thunderstorms within 30 nm. Hail >= 3/4 in.
KAGR	Avon Park	Warning	07-002	17/1936Z	Yes			Tornado expected
KANB	Fort McClellan	Warning	05-002	08/1535Z	No	Warning 05-001		High Non-Convective Winds >= 35 kts. Severe Thunderstorms. Hail >= 3/4 in.
KANB	Fort McClellan	Warning	05-004	08/1537Z	No	Warning 05-003		Severe Thunderstorms. Damaging Winds >= 50 kts.
KANB	Fort McClellan	Warning	05-005		No	Warning 05-005		Freezing Precipitation (Any Intensity) High Non-Convective Winds >= 35 kts.
KANB	Fort McClellan	Warning	05-008	08/1543Z	No	Warning 05-007		High Non-Convective Winds >= 35 kts. Freezing Precipitation (Any Intensity)

- Click on the Site Name hyperlink and the issued WWA Details window appears

The screenshot shows the 'Issued WWA Details' window for WWA ID 07-001. The window displays various fields for the warning, including the site name 'Avon Park', the criteria 'Severe Thunderstorms within 30 nm. Hail >= 3/4 in.', and the issued time '17/1930Z'. A red box highlights the 'Dissemination History' section at the bottom of the window, which contains a table with columns for ID, Time, Action, and For. The table shows a single entry for ID 07-001 at 17/1930Z, with the action 'Issued' and the for 'RDV'.

- Select the Dissemination History hyperlink to display the WWA Dissemination Status report.

WWA Dissemination Status Report					
2013/07/17 19:30		Weather Warning 07-001 for Avon Park (KAGR) Valid 17/2029Z (1714529L) to 18/0029Z (171929L) Severe Thunderstorms within 30 nm. of Avon Park. Hail >= 3/4 in. forecast value 3/4 in. TEST TEST TEST			
Disseminator Name	Type	Contact Name	Contact Info	Attempt Time	Acknowledged By
RRE TEST	PHONE	RRE TEST 3, Randy	94029160211	2013/07/17 19:32	
RRE TEST	PHONE	(NA)	(Manual Acknowledge)	2013/07/17 20:15	REN
RRE TEST Email	EMAIL	NELSONRRETEST	randynelsonafw@yahoo.com	2013/07/17 19:30	Auto Acknowledged

a. **Edit Issued Function.** This function is used after the WWA is closed and no longer assessable on the list by sites or list by regions page.

- To access information for a site or several sites using the Edit Issued function, select a site or multiple sites from the IWWC site list and then select Edit Issued. The Search Issued WWAs window appears.

- Select the WWA type, then check either “Select Dates” or “All Available” then select search. This will return the available WWA for the specifics sites for requested time period.

IWWC

IWWC

[IWWC Home](#)

[List by Sites](#)

[List by Regions](#)

[Issue WWA](#)

[List Criteria](#)

[Draft WWA](#)

[Non Issued WWA](#)

[Reports](#)

[Statistics](#)

Edit Issued

[Administration](#)

New Search

Pages: 1

	Type	WWA id	Issue Time	ICAO
<div>Edit</div>	Warning	07-002	7/17/2013 19:36	KAGR
<div>Edit</div>	Warning	07-001	7/17/2013 19:30	KAGR
<div>Edit</div>	Watch	07-001	7/17/2013 19:38	KAGR
<div>Edit</div>	Watch	01-001	1/24/2013 17:36	KAGR
<div>Edit</div>	Advisory	07-001	7/17/2013 20:11	KAGR

Change

- Select the edit button for the applicable WWA. The Issued WWA Editor will appear.

Dissemination History is located here

Time	Fac	Action	Time	Verification	Observation	Observation
17/1632Z	REN	Issued		No manual verification information available		No observation available

- Select the Dissemination History hyperlink to display the WWA Dissemination Status report. The report is available under the Edit Issued function for 365 days.

WWA Dissemination Status Report						
2013/07/17 19:36		Weather Warning 07-002 for Avon Park (KAGR) Valid 17/1932Z (17/1432L) to 17/2132Z (17/1632L) Tornado expected within 30 nm. of Avon Park TEST TEST TEST Weather Warning 07-001 remains in effect.				
Disseminator Name	Type	Contact Name	Contact Info	Attempt Time	Acknowledged By	
RRE TEST	PHONE	RRE TEST 3, Randy	9 4029160211	2013/07/17 19:37		
RRE TEST	PHONE	(NA)	(Manual Acknowledge)	2013/07/17 20:16	REN	
RRE TEST Email	EMAIL	NELSONRRETEST	randynelsonatfw@yahoo.com	2013/07/17 19:36	Auto Acknowledged	

A3. IWWC Manual Verification for Advisories with Zero Leadtime (JET-1106)

Reference: JET System Users Manual Section 8.3.3.8

Description: Customer reports that to issue an Observed advisory, e.g., the advisory is developed using zero (0) for Desired Lead Time (DLT). When that 0 is entered, however, the software takes away the ability to enter manual verification of the criterion (e.g., wind speeds). If DLT is set to at least 1 minute, manual verifications can be entered, but that lead time doesn't define an Observed advisory. With the 0 DLT entered, the Justification box can still be completed, but hourly verifications cannot.

Overview/Instruction on New Capability:

1. Users can now provide verification data on observed WWAs. To verify, users will access IWWC, select one or more locations with issued observed WWAs, then list by sites.
2. Highlight the applicable WWA then from the menu select Edit Status. The Edit Issued WWA window appears. The following block now allow data entry:
 - Issued Justification
 - Observed Value
 - Observed Date(Zulu)
 - Observed Explanation
 - Manual Verification Time
 - Manual Verification

3. After entering data, select Update then select back.
4. Click on the site name (hyperlink) for the WWA you just updated. The Issues WWA Details page will appear. The manual verification(s) will appear within the Issued WWA Review section.

[IWVC Home](#) [List by Sites](#) [List by Regions](#) [Issue WVA](#) [List Criteria](#) [Draft WVA](#) [Non Issued WVA](#) [Reports](#) [Statistics](#) [Edit Issued](#) [Administration](#)

[Update](#) [Back](#) * Forecaster: REN Team: Use Default Team -- Supervisor:

KBIX Keesler AFB

☒ Weather Advisory 08-001 for Keesler AFB (KBIX) valid 20/1334Z (20/0834L) UFN

Observed Surface Crosswinds greater than or equal to 25 kts. observed at 25 kts. at Keesler AFB

TEST TEST TEST

Issued at 8/20/2013 13:35Z

Issued Justification: TEST TEST TEST TEST

Observed Surface Crosswinds greater than or equal to 25 kts. observed at 25 kts. at Keesler AFB

Observed Value: 25 kts

Observed Date (Zulu): 8/20/2013 13:34

Observed Explanation: Observed on site

Manual Verification Time: 8/20/2013 13:46

Manual Verification:

Issued WVA Review

History [Dissem History](#)

ID	Time	Action For.
08-001	20/1335Z	Issued REN

Manual Verifications

ID	Time	Verification
08-001	20/1436Z	Observed FMQ-19
	20/1537Z	Observed FMQ-19

Observations

20/1053Z METAR KGPT 201053Z 00000KT 8SM CLR 23/22 A3001 RMK AO2 SLP160 T02330222 \$

20/1055Z METAR KBIX 201055Z 00000KT 10SM CLR 23/23 A3001 RMK AO2 SLP163

20/1153Z METAR KGPT 201153Z 00000KT 9SM CLR 24/23 A3001 RMK AO2 SLP162 70001 T02440228 10256 20233 53006 \$

20/1158Z METAR KBIX 201158Z AUTO 00000KT 10SM CLR 24/23 A3002 RMK AO2 SLP168 T02350229 10249 20231

20/1253Z METAR KGPT 201253Z 00000KT 10SM CLR 26/23 A3003 RMK AO2 SLP167 T02610233

20/1258Z METAR KBIX 201258Z AUTO 00000KT 10SM CLR 25/24 A3003 RMK AO2 SLP172 T02520242

5. Highlight the WVA you just reviewed. Select the edit Issued button. The Search Issued WVA page will appear. Verify the date range then select search. Select the Edit button next to your WVA. The Issued WVA Editor will appear. Verify the manual verifications you entered earlier are available under WVA Review Status.

FM initials/comments:

Was AOS operational? Yes ☐ No ☒

WVA Review Status

[History](#) [Dissem History](#)

Time	For.	Action
20/1335Z	REN	Issued

Time

Verification

20/1436Z	Observed FMQ-19
20/1537Z	Observed FMQ-19

Observations

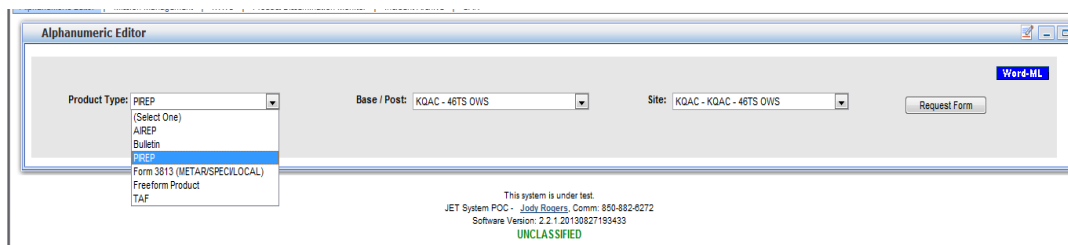
Time	Observation
20/1053Z	METAR KGPT 201053Z 00000KT 8SM CLR 23/22 A3001 RMK AO2 SLP160 T02330222 \$
20/1055Z	METAR KBIX 201055Z 00000KT 10SM CLR 23/23 A3001 RMK AO2 SLP163
20/1153Z	METAR KGPT 201153Z 00000KT 9SM CLR 24/23 A3001 RMK AO2 SLP162 70001 T02440228 10256 20233 53006 \$
20/1158Z	METAR KBIX 201158Z AUTO 00000KT 10SM CLR 24/23 A3002 RMK AO2 SLP168 T02350229 10249 20231
20/1253Z	METAR KGPT 201253Z 00000KT 10SM CLR 26/23 A3003 RMK AO2 SLP167 T02610233
20/1258Z	METAR KBIX 201258Z AUTO 00000KT 10SM CLR 25/24 A3003 RMK AO2 SLP172 T02520242

A4. PIREP Editor: Upgrade Editor for AFMAN 15-124 (13 Feb 2013). (JET-2064)**Reference:** JET System Users Manual Section 8.3.3.8

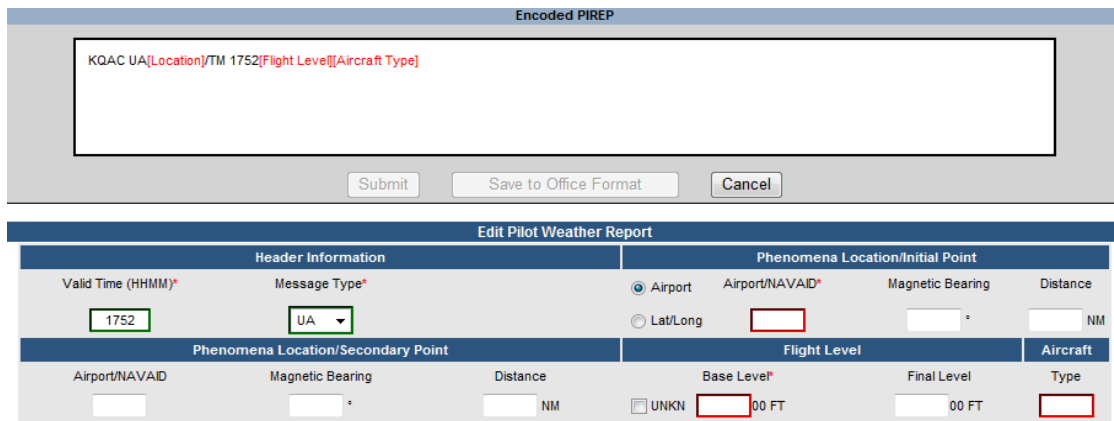
Description: Fix ensures the PIREP editor allows user to enter PIREP location in Latitude/Longitude format IAW AFMAN 15-124. (/OV_LLLLN LLLLLW) and (/OV_LLLLN LLLLLW-LLLLN LLLLLW).

Overview/Instruction on New Capability:

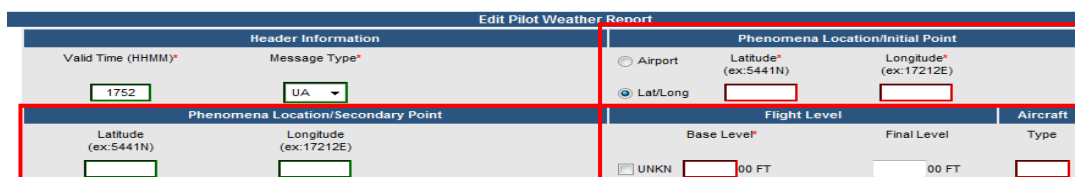
1. Users can now provide PIREP location in Latitude and Longitude. To verify, users will access Alphanumeric Editor portlet. Then select PIREP from the product type dropdown box. Then select Base/Post and site.



2. Select Request Form and the PIREP form appears.



3. To use latitude and longitude for the Phenomena location, select the Lat/Lon button. When the button is selected, the initial point and secondary point boxes appear.



4. Enter the required Latitude and Longitude in the initial boxes first and the secondary boxes if needed. Use the following format: LLLLN LLLLLW Then complete the remaining portion of the PIREP form then submit.

Section B. Primarily System Administrator/Site Manager Capability

B1. Manage Custom DZLZ/MOAs/Tracks (JET-138, JET-1305, 1306, 1307)

Reference: JET System Users Manual Section 8.4.6.1

Description: As an Administrator/Site Manager I need to be able to manage custom Track, MOA, and DZ/LZ templates so that users can retrieve them for future missions.

Note: Users can manage the MOAs that they have created, but only Administrators/site managers can manage all custom templates within their primary Base/Post.

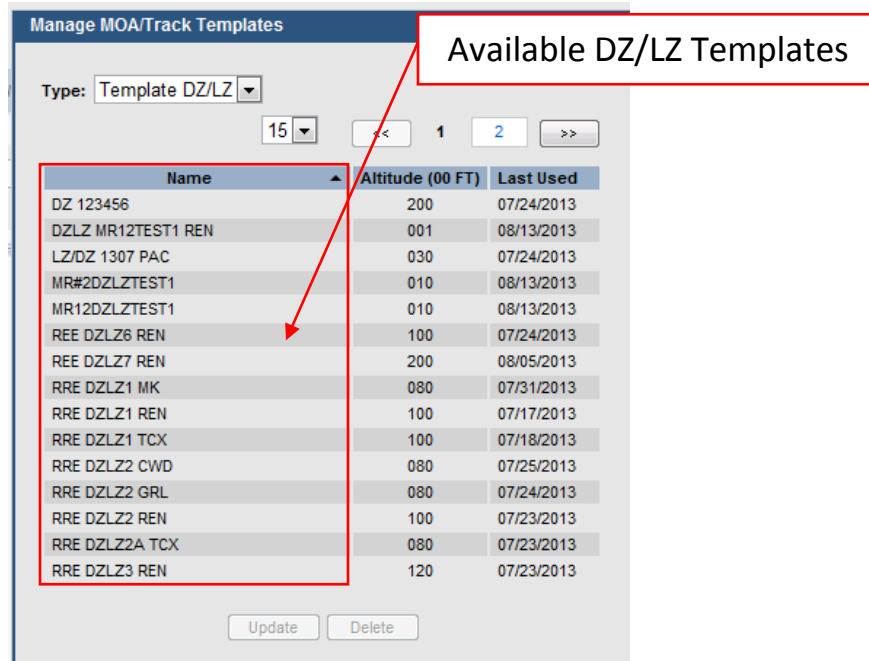
Overview/Instruction on New Capability: To place the OWS AOR SCAs into degraded mode, the OWS JET system administrator access the System Configuration portal. Follow the instructions below.

Manage Custom MOA, DZ/LZ and Tracks Templates. This process allows Administrators to manage custom MOAs, DZ/LZs and Tracks for their Primary Base/Posts that have been developed either during mission creation, or using the template function. All procedures will be conducted in the Mission Management portlet.

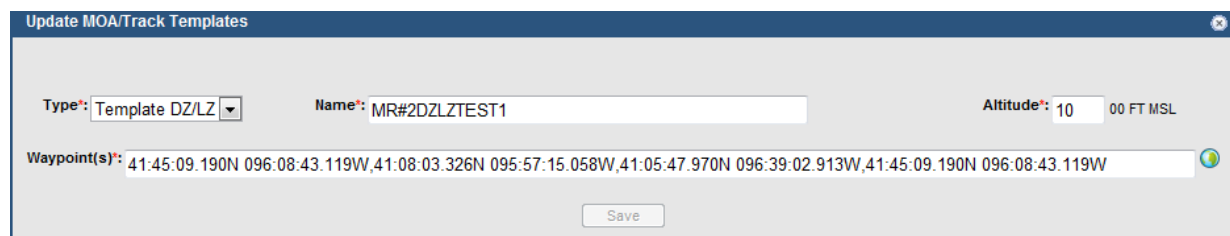
1. **Manage Custom Templates from the main Mission Management portlet.** In the Mission Management portlet, select the Template button then select the Manage MOA/Track Templates. The Manage MOA/Track Templates window will appear.

Name	Altitude (00 FT)	Last Used
No records found.		

- Type: Select the type of template you want to manage. The following are available:
 - Template DZ/LZ
 - Template MOA
 - Template Track
- Upon selection of the Type, a list will appear of the available templates.



- To **modify** a specific template, right click on one of the template names, then select update. This will open the Update MOS/Track Template window.



Note: All properties can be changed to update a template (e.g. Type, Name, Altitude and waypoint(s))

- Once applicable properties have been changed, select save.
- To **delete** a specific template, right click on one of the template names, then select delete. A warning message appears, once OK is selected, the template will be permanently deleted.

B2. AUTO Observation Needs Distinct CIG/VIS/RVR Evaluation (JET-297)

Reference: JET System Users Manual Section 11.2, 11.2.1

Description: Numerous sites in the 21st OWS have reported that they must configure Ceiling/Visibility/RVR evaluation frequency to one minute since they cannot allow RVR to only be evaluated once per xx minutes. New capability allows forecasters to configure Ceiling, Visibility and RVR separately via the Auto SPECI configuration interface.

Overview/Instruction on New Capability:

1. Login to the JET portal and then access the Auto SPECI Config portlet. Highlight a station by left clicking on any portion of the line.

Audit Log View **Auto SPECI Config** Contact Admin DB Admin Ingest Config Ingest Pattern Config SCA Config Site Impact Config System Config
System Dissemination Configuration System Status TAF Spec Config Task Admin User Admin User Notification Admin

Auto SPECI Configuration

Enabled	Site	Observing Mode	COMUS	Visibility	RVR	Ceiling	Eval Freq CIG VIS RVR	Sky Condition	Squall	Freezing Precip	Thunderstorm	Wind Shift	Other Precip
✓	KBAD	AUTO	✓	3/16, 1, 2, 3	0300, 2400, 5000, 6000	005, 007, 010, 015, 030	15 5 10		✓	✓	✓	✓	✓
✓	KQAF	AUTO	✓	1, 1 1/2, 2, 3, 4, 5	2400, 5000, 6000	005, 007, 010, 015, 030, 040, 050, 100	1 5 5		✓	✓	✓	✓	✓
✓	KQAG	AUTO	✓	1600, 3200, 5000	0750, 1500, P1500	005, 007, 010, 015, 030	5 5 5		✓	✓	✓	✓	✓
✓	KQAK	AUTO	✓	1, 2, 3	2400, 5000, 6000	005, 007, 010, 015, 030	1 1 1		✓	✓	✓	✓	✓
✓	KQK6	MANUAL	✓	1600, 3200, 5000	0750, 1500, P1500	005, 007, 010, 015, 030	5 5 5		✓	✓	✓	✓	✓
✓	KQYW	AUTO	✓	1, 2, 3	2400, 5000, 6000	005, 007, 010, 015, 030	5 5 5		✓	✓	✓	✓	✓
✓	KQYX	AUTO	✓	1, 2, 3	2400, 5000, 6000	005, 007, 010, 015, 030	5 5 5		✓	✓	✓	✓	✓
✓	KQYY	AUTO	✓	1, 2, 3	2400, 5000, 6000	005, 007, 010, 015, 030	5 5 5		✓	✓	✓	✓	✓
✓	KQYZ	AUTO	✓	1, 2, 3	3000, 3000, 3000	005, 007, 010, 015, 030	5 5 5		✓	✓	✓	✓	✓
✓	KSBD	AUTO	✓	1, 2, 3	2400, 5000, 6000	005, 007, 010, 015, 030	5 5 5		✓	✓	✓	✓	✓

Add Edit Delete

Auto Ob Logs

2. Then click on the Edit button. This will open Auto SPECI Configuration page will open for the station you highlighted.

Auto SPECI Configuration

Currently editing configuration for KBAD

☒ Enabled

Visibility (SM)		RVR (FT)		Ceiling (00 FT)	
Available Options	Selected Options	Available Options	Selected Options	Available Options	Selected Options
1/16 1/8 3/16 1/4 5/16 3/8	3/16 1 2 3	0100 0200 0300 0400 0500 0600	0300 2400 5000 6000	001 002 003 004 005 006	005 007 010 015 030
SM	Add	FT	Add	00 FT	Add

Evaluation Frequency

Ceiling 15 min
Visibility 5 min
RVR 10 min

Phenomena (Evaluated once per minute)

☒ Squall ☒ Freezing Precipitation ☒ Thunderstorm
☒ Wind Shift ☒ Other Precipitation Sky Condition 00 FT

Save Cancel

3. Under the Evaluation Frequency Section of the configuration page, there are dropdown boxes next to Ceiling, Visibility and RVR. These will allow the forecaster to adjust the evaluation frequency between 1 and 15 minutes for Ceiling, Visibility and RVR.

The screenshot shows the 'Auto SPECI Configuration' window. At the top, there is a checkbox labeled 'Enabled' which is checked. Below this is a section titled 'Visibility (SM)'. This section contains two columns: 'Available Options' and 'Selected Options'. The 'Available Options' column has a list box with the following values: 1/16, 1/8, 3/16, 1/4, 5/16, and 3/8. Below the list box is a text input field containing 'SM'. The 'Selected Options' column has a list box with the following values: 3/16, 1, 2, and 3. Between the two columns are two arrows pointing in opposite directions and an 'Add' button. Below the 'Visibility (SM)' section is a section titled 'Evaluation Frequency', which is highlighted with a red box. This section contains three rows of dropdown menus: 'Ceiling' with a value of 15, 'Visibility' with a value of 5, and 'RVR' with a value of 10. Each dropdown menu is followed by the text 'min'.

4. Select the evaluation frequency for the Ceiling, Visibility and RVR. Then select the Save button. The values are set.

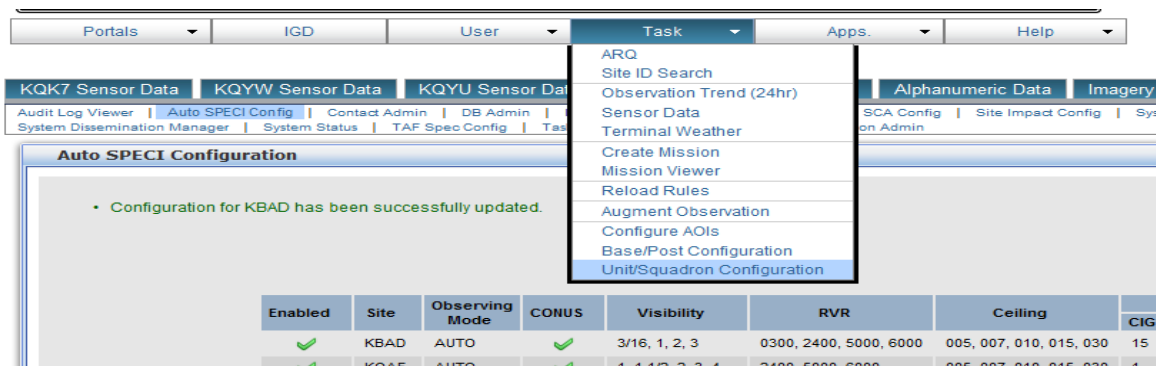
B3. Add Guard/Reserve/Active Duty Designation to JET Units (JET-578)

Reference: JET System Users Manual Section 3.4.1.5,

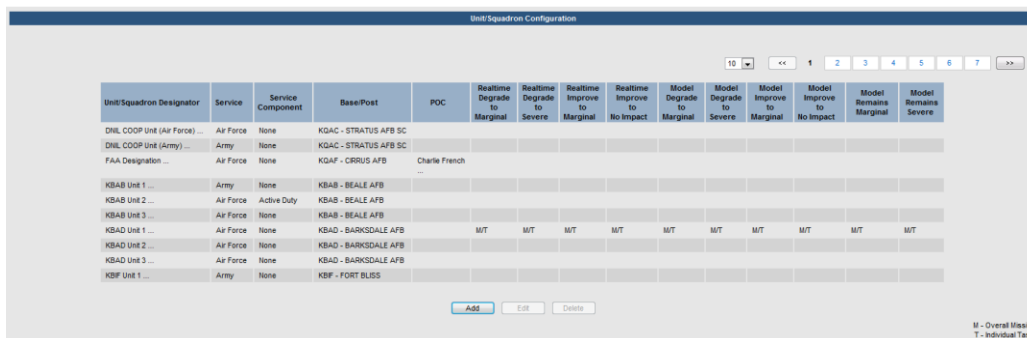
Description: Extend JET Unit Object to include Service Component attribute for Guard, Reserve or Active Duty. Previously, units are affiliated to a SERVICE ONLY: (AIR FORCE, ARMY, NAVY, MARINES, COAST GUARD).

Overview/Instruction on New Capability:

1. Log into the JET portal. Then Navigate to the Task Dropdown box.



2. Select Unit/Squadron Configuration. The Unit/Squadron Configuration page will appear.



3. Highlight the Unit/Squadron Designator by left clicking anywhere on the line.

Unit/Squadron Designator	Service	Service Component	Base/Post	POC	Realtime Degrade to Marginal	Realtime Degrade to Severe	Realtime Improve to Marginal	Realtime Improve to Severe	Model Degrade to Marginal	Model Degrade to Severe	Model Improve to Marginal	Model Improve to Severe	Model Remains Marginal	Model Remains Severe
DNIL COOP Unit (Air Force) ...	Air Force	None	KQAC - STRATUS AFB SC											
DNIL COOP Unit (Army) ...	Army	None	KQAC - STRATUS AFB SC											
FAA Designation ...	Air Force	None	KQAF - CIRRUS AFB	Charlie French										
KBAB Unit 1 ...	Army	None	KBAB - BEALE AFB											
KBAB Unit 2 ...	Air Force	Active Duty	KBAB - BEALE AFB											
KBAB Unit 3 ...	Air Force	None	KBAB - BEALE AFB											
KBAD Unit 1 ...	Air Force	None	KBAD - BARKSDALE AFB		M/T	M/T	M/T	M/T	M/T	M/T	M/T	M/T	M/T	M/T
KBAD Unit 2 ...	Air Force	None	KBAD - BARKSDALE AFB											
KBAD Unit 3 ...	Air Force	None	KBAD - BARKSDALE AFB											
KBDF Unit 1 ...	Army	None	KBDF - FORT BLISS											

4. Select Edit. The Configure Unit/Squadron page will appear. Select the appropriate Service Component using the dropdown box.

The screenshot shows the 'Configure Unit/Squadron' interface. At the top, there are navigation tabs: Portals, IGD, User, Task, Apps, and Help. The main form area contains the following fields:

- Unit Designator:** KBAB Unit 1
- Unit Service:** Army
- Service Component:** A dropdown menu is open, showing options: None (highlighted with a red box), Active Duty, Guard, and Reserve.
- Unit Base/Post:** AFB
- Unit POC:** (Empty)
- Comm Telephone:** (Empty)
- Email:** (Empty)
- Buttons:** Select Contact, Remove Contact, Save, and Cancel.

On the right side, there is a section titled 'Realtime Mission Impact Alerts' with three columns: Threshold Change, Overall Mission, and Individual Task. It contains four rows of alerts with checkboxes:

Alert	Threshold Change	Overall Mission	Individual Task
Degrade to Marginal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Degrade to Severe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improve to Marginal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improve to No Impact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Select Save. System will automatically return to the Unit/Squadron Configuration page and the Service component selected will appear.

Unit/Squadron Designator	Service	Service Component	Base/Post
DNIL COOP Unit (Air Force) ...	Air Force	None	KQAC - STRATUS AFB SC
DNIL COOP Unit (Army) ...	Army	None	KQAC - STRATUS AFB SC
FAA Designation ...	Air Force	None	KQAF - CIRRUS AFB
KBAB Unit 1 ...	Army	Guard	KBAB - BEALE AFB
KBAB Unit 2 ...	Air Force	Active Duty	KBAB - BEALE AFB
KBAB Unit 3 ...	Air Force	None	KBAB - BEALE AFB
KBAD Unit 1 ...	Air Force	None	KBAD - BARKSDALE AFB

Section C. Description of Additional Improvements/Fixes in Build C, MR12

Additional Improvements/Fixes

JET ID # /Capability Name

Description

JET-198: Automated Observation Peak Wind Remarks

Description: Removes PK WND remarks from SPECI observations and ensure the JET transmits the remark for the highest 5 second peak wind recorded since the last METAR hour if and when it exceeds 25 kts as defined in paragraph 5.5.1.5..

JET-274: Varying CIG Remarks Encoded Incorrectly

Description: Ensure JET correctly displays cloud heights. Technical Reference: AFMAN 15-111 para 9.3.2.7 - Cloud layer from the surface to 5,000 feet are reported to the nearest 100 feet, to the nearest 500 feet for layers from > 5,000 feet to = 10,000 feet, and to the nearest 1,000 feet for layers > 10,000 feet. When a value falls halfway between two reportable increments, the lower value is reported.

JET-288: IGD KMA Lightning Legend

Description: Fix removes the KMA lightning from the IGD map selection.

JET-529: SCA CONFIG: Add color indication to the SCA Comm UP

Description: Adds color indication on SCA Configuration to let users know when SCA Comm is up or down. Currently, the Word UP or DOWN is listed next to COMM: but it is not obvious when an SCA is COMM UP or DOWN.

JET-543: TAF ingest rejects TAF with "DD00" in the min temp group

Description: Fixes to ensure TAFS with 00Z for temp in them or cross the last day of the month, are no longer rejected by JET.

JET-837: Peak winds of 25.5 knots are incorrectly excluded from able-to-format-to-26 values

Description: Fix ensures that peak winds are reported for values received as 25.5 knots or greater.

JET-1052: Allow suppressing FITL to GRIB grid selection dialog if model, grid, center, forecast hr, basetime exists

Description: The fix ensures the grid select dialog will not pop up when the user includes the reference grid information in the script.

JET-1124: Generate alert when SCA and JET times are out of sync

Description: JET will provide the user an alert whenever the SCA and JET times are more than 2 minutes different.

JET-1144: SCA Upgrade checks should be staggered to minimize flooding the Upgrade server

Description: To minimize flooding of the Upgrade server, this fix allows random staggering of new software checks across a 24-hour window. The first occurrence will now occur at a random point within 24-hours after startup and then continue on a 24-hour schedule after that.

JET-1408: Auto Ob is generating SQ for non-squall events

Description: Fix ensures Squall wind events are reported IAW AFMAN 15-111 definition: Squall (SQ). A strong wind characterized by a sudden onset in which the wind speed increases by at least 16 knots and is sustained at 22 knots or more for at least 1 minute.

JET-1420: Oracle backup jobs do not failover when node 1 is unavailable

Description: Fix modified the BASE_BACKUP and INCREMENTAL_BACKUP scheduler jobs to no longer be pin to node 1. This allows the Oracle backup jobs to failover to a new node when node 1 is not available. Keeps system from failing.

JET-1459: Filter all COOP Names from the Unit Name in Mission Information

Description: Fix ensures a mission cannot be created from Unit names that include the word COOP. (Ex. KBSS COOP Unit (Air Force)).

JET-1663: Update IWWC dictionary for pronunciation of Navy Template criteria Seiche

Description: Fix ensures that Jill pronounces correctly several Navy unique terms (e.g. seiche, seiches, island, harbor and typhoon) used in WWA.

JET-1721: Remove JCR from JET baseline.

Description: Fix removes the JCR completely from the JET baseline. This should maintain mission management and incident archive performance.

JET-1722: FITL: Join inner/outer contours to replace 'Black Hole'

Description: Fix allows inner and outer contoured areas to be joined instead of black holes. This allows production of web-ready hazard products without the black holes.

JET-1723: FITL: Mask connecting lines or pips when joining inner/outer filled contours

Description: Fix will cause auto generated Filled Contours to replace 'Black Holes' (areas of nil or lesser severity) with 'inner contours' that are connected to the bounding contour.

JET-1724: FITL: Allow multi-point selection

Description: Fix ensures the user will be able to select multiple points on a filled contour.

JET-1725: FITL: Allow deletion of multi-selected points as a group

Description: Fix ensures the user will be able to delete multiple points on a filled contour as a group. The remaining points will be closed and filled.

JET-1726: FITL: Allow moving multiple selected points as a group

Description: Fix ensures a user will be able to move multiple points of a filled contour as a group. The line segments connecting the rest of the contour with the moved group will remain connected and contoured with the group.

JET-1847: Add db-utils to dissemservice.properties

Description: Update the db-utils build-component.properties to include the dissemination application. Dissemination servers should not have stack traces at the beginning because of missing SW. This could eliminate potential future IWWC dissemination issues.

JET-1848: Incorrect 3z P Group on TMQ-53 and Different Rain Fall Totals

Description: Fix ensures AutoObs and ASD data from a TMQ-53 direct include appropriate and accurate Precip accumulation groups that are sourced from the PTU line/device. Also ensures AutoObs and ASD data from an AOS include appropriate and accurate Precip accumulation groups that are sourced from the PTU line/device.

JET-1888: JET Mission: Unable to create a mission from ATO

Description: Fix ensures JET Missions can be created using ATO.

JET-1890: Provide feedback when FITL grid is generated via script launched ui

Description: Fix ensures when the FITL process is initiated via script (the default process), the user will be notified when they click the export grid button in the FITL dialog.

JET-1917: Automated Ob is creating multiple SQ observations (Fix)

Description: Fix ensures multiple SQ SPECIs do not throw for an event in which a single squall starts just before the minute and the wind remains steadily high (≥ 22 knots) afterwards.

JET-1955: FMQ-23 HTTP data sources can be leaked if no sensor locations exist on an enabled group

Description: An FMQ-23 with no configured location properly closes the handler before starting the HTTPRequestDataSource. This could prevent a future data leak.

JET-1968: At top of the hour, some alternate runway information on an SCA may appear unavailable for a couple of minutes

Description: Fix ensures expiration time for surface observation products (METARs and SPECIs) is extended to 70 minutes. This will eliminate some alternate runway information from disappearing at the top of the hour.

JET-2018: IWWC map multi-site selection is slow and sometimes fails to select the sites or times out and does not draw the box

Description: Fix ensures users can select multiple locations for WWA issuance with the IWWC map.

JET-2032: Unit Squadron Naming Convention

Description: Fix ensures Unit/Squadron name is required to be unique regardless of case.

JET-2064: PIREP Editor: Update editor for AFMAN 15-124 (13 Feb 2013)

Description: Fix ensures the PIREP editor allows user to enter PIREP location in Latitude/Longitude format IAW AFMAN 15-124. (/OV_LLLLN LLLLLW) and (/OV_LLLLN LLLLLW-LLLLN LLLLLW).

NOTE: AFMAN 15-124 Reference for Longitude is incorrect. LLLLLW should be LLLLLW

JET-2121: "Local" Temperature and Dew Point does not match longline observation

Description: **Fix ensures the** Local and Longline versions of the observation are generated from the T-GROUP if available. This will ensure that the Local and Longline temperatures observations match.

JET-2137: LEADS Multi-Point Selection Needs to Work Across Multiple Objects

Description: Fix allows use of the Multi-Point tool to select multiple objects at the same time to move, modify and delete.

JET-2142: Mission Briefs Not Syncd

Description: Fix ensures JET Administrator is notified via JET System alert when mission shells fail to pull from another 'Backup enabled' JET system. In addition, the JET Administrator is also notified via moderated JET System alert when mission shells fail to send to another 'Backup enabled' JET system.

JET-2147: AutoOB: Auto Reject observations with -DZ, unrestricted visibility, and CLR sky condition

Description: Fix ensures JET prevent observation when DZ, RA, SN is reported with clear skies and unrestricted visibility. Auto Rejecting these observations would greatly reduce the burden on observers at FMQ-19 sites where anomalous -DZ happens numerous times per week.

JET-2171: Incorrect 3 hourly 6 Groups in TMQ-53 METARs

Description: Fix ensures TMQ-53 three hourly precipitation groups are encoded in accordance with AFMAN 15-111 Table A3-1 Remark #27; TMQ-53 six hourly precipitation groups are encoded in accordance with AFMAN 15-111 Table A3-1 Remark #27; and TMQ-53 twenty four hourly precipitation groups are encoded in accordance with AFMAN 15-111 Table A3-1 Remark #28.